

## BIBLIOGRAPHICAL RECORD.

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Corrections of errors and notices of omissions are solicited.

- Bell,** James Thompson. Collection notes for 1880. (Can. entom., March 1881, v. 13, p. 58-60.)  
Crit. notice by J. L. LeConte. (Can. entom., April 1881, v. 13, p. 80.)  
Notes of new captures around Belleville, Ontario, Canada; mostly coleoptera. G: D. (2880)
- Hubbard,** H: Guernsey. Description of the larva of *micromalthus debilis*, Lec. (Proc. Amer. philos. soc., 18 April 1878, v. 17, p. 636-668, pl. 4.)  
Larva found in the soft crumbling wood of an old log at Detroit, Mich. Imago, larva, and magnified parts figured. Article incorporated with J. L. LeConte's "The coleoptera of Michigan" . . . [Rec., 2889]. H: W. T. (2881)
- Hubbard,** H: Guernsey and Eugene Amandus Schwarz. Contribution to a list of the coleoptera of the lower peninsula of Michigan. (Proc. Amer. philos. soc., 18 April 1878, v. 17, p. 643-666.)  
Locality of capture noted in most cases. Article incorporated with J. L. LeConte's "The coleoptera of Michigan" . . . [Rec., 2889]. H: W. T. (2882)
- Hubbard,** H: Guernsey and Eugene Amandus Schwarz. List of coleoptera found in the Lake Superior region [of Michigan]. (Proc. Amer. philos. soc., 18 April 1878, v. 17, p. 627-643.)  
Locality of capture noted in most cases. Article incorporated with J. L. LeConte's "The coleoptera of Michigan" . . . [Rec., 2889]. H: W. T. (2883)
- Huber,** L. Kunsthonig. (Deutscher Bienen-freund, 15 Aug. 1881, jahrg. 17, p. 247.)  
Inquiries in regard to American artificial honey in the comb. G: D. (2884)
- Insect** powder. (New remedies, July 1881, v. 10, p. 221, 3 cm.)  
Sources of *chrysanthemum* and *pyrethrum* powder. G: D. (2885)
- Johnson,** James Smith. Early appearance of catoclas. (Can. entom., July 1880, v. 12, p. 137-138.)  
Notes on the first species of *catocala* that appear each season, about Philadelphia, Pa., and the number of individuals of each species taken. G: D. (2886)
- Kellicott,** D: Simons. Notes on *aegeria pini*. (Can. entom., Aug. 1881, v. 13, p. 157.)  
Differences between the sexes; length of time employed by *a. pini* in passing through its different transformations. A. K. D. (2887)
- Le Conte,** J: Lawrence. [On *alaus goropis*.] (Can. entom., April 1881, v. 13, p. 80.)  
Answer, by J. T. Bell, entitled "[On *alaus*]." (Can. entom., May 1881, v. 13, p. 116.)  
Thinks that the *a. goropis* recorded from Canada in J. T. Bell's "Collection notes for 1880" (Can. entom., March 1881, v. 13, p. 58-60) [Rec., 2880] must be *a. oculatus*. G: D. (2888)
- Le Conte,** J: Lawrence. The coleoptera of Michigan; descriptions of new species. (Proc. Amer. philos. soc., 18 April 1878, v. 17, p. 593-620, 669.)  
Describes the three new genera *odontosphindus* and *euryosphindus* [*cioidae*], and *micromalthus* [*lymexylidae*], and 67 new species, belonging to the genera *dyschirius*, *badiaster*, *bembidium*, *hydraporus*, *saphis*, *tacophilus*, *gaurodytes*, *hydropus*, *habrocerus*, *agathidium*, *batriscus*, *orthoperus*, *lathridius*, *odontosphindus*, *euryosphindus*, *mycetophagus*, *diplocelous*, *rhyzophagus*, *pedilophorus*, *paromalus*, *heterius*, *neogilia*, *phausis*, *xyletinus*, *micromalthus*, *phymatodes*, *typocerus*, *clitamus*, *phylloptreta*, *chaetocnema*, *myctochares*, *canifa*, *dircaea*, *hallomenus*, *orcheses*, *zygobasis*, *pityophthorus*, *zyleborus*, *zyloclerpes*, *tonicus*, *miricaris*, *choragus*; gives synoptic tables of the genera *mycetophagus*, *diplocelous*, *litargus*, *triphylus*, *neogilia*, *myctochares*, *hallomenus* and *orcheses*; the descriptions of 7 new species and the tables of *mycetophagidae* and *orcheses* by G: H. Horn. Notes on about 25 other species. Some of the species are from other parts of North America. Index to species (p. 669). The following papers are incorporated with this:—HUBBARD, H: G. and E. A. SCHWARZ, List of coleoptera found in the Lake Superior region [Rec., 2883] (p. 627-643); *ibid.*, Contribution to a list of the coleoptera of the lower peninsula of Michigan [Rec., 2882] (p. 643-666); HUBBARD, H: G., Description of the larva of *micromalthus debilis*, Lec. [Rec., 2881] (p. 666-668, pl. 4). H: W. T., E. A. S., B: P. M. (2889)
- Le Conte,** J: Lawrence. Fungoid diseases of insects:—a reclamation. (Can. entom., July 1880, v. 12, p. 126-128.)  
Discusses the origin of the idea of using fungoid diseases as a means of destroying injurious insects. G: D. (2890)
- Müller,** W. H. Proterandrie der Bienen. Inaugural-Dissertation zur Erlangung der philosophischen Doctorwürde der hohen philosophischen Facultät der Universität Jena. Leignitz, 1882. 44 [+ 1] p., 21 × 13, t 16.5 × 9.  
Notice, by G: Dimmock. (Psyche, Aug. 1882 [Jan. 1883], v. 3, p. 381.)  
Observations on proterandry of bees; chiefly on the genera *prosopis*, *halictus*, *andrena*, *colletes*, *dysipoda*, *panurgus*, *eucrea*, *anthophora*, *chalcodoma*, *megachile*, *osmia*, *anthidium*, *chelostoma* and *coccinotrys*. Conclusions drawn from the observations. Literature used (5 titles). G: D. (2891)